Carbohydrate Polymers **22** (1993) 291–293

CONTENTS OF VOLUME 22

Number 1

1 Cellulose derivatives with low DS. I. A novel acylation system
G. SAMARANAYAKE & W. G. GLASSER (USA)

9 Vapor-phase HF solvolysis of cellulose: Modification of the reversion oligosaccharide distribution by in-situ methanolysis
G. L. RORRER & M. C. HAWLEY (USA)

15 Novel cellulose derivative for the in-vitro adsorption of heparin from blood plasma
M. ANTAL (Slovak Republic) & M. M. MICKO (Canada)

19 Molecular structures obtained from mixed amylose and potato starch dispersions and their rheological behaviour
K. SVEGMARK, S. KIDMAN & A.-M. HERMANSSON (Sweden)

31 The influence of molar substitution on the thermal transition properties of hydroxypropyl potato starches
H. R. KIM & A.-C. ELIASSON (Sweden)

37 Structure of the principal non-starch polysaccharide from cotyledons of *Lupinus angustifolius* (cultivar Gungurru)
N. W. H. CHEETHAM, P. C.-K. CHEUNG & A. J. EVANS (Australia)

49 Rheological behaviour of mixed gels of κ-carrageenan-locust bean gum
M. STADING & A.-M. HERMANSSON (Sweden)

57 Predicted influence of monomer sequence distribution and acetylation on the extension of naturally occurring alginates
B. T. STOKKE, O. SMIDSRØD (Norway) & D. A. BRANT (USA)

67 Bibliography of Carbohydrate Polymers

77 Book Reviews

Number 2

79 Cellulose derivatives with low DS. II. Analysis of alkanoates
G. SAMARANAYAKE & W. G. GLASSER (USA)

87 On the characterization of polygalacturonate salts in dilute solution
A. MALOVIKOVA (Czech Republic), M. RINAUDO & M. MILAS (France)

93 Complexes of starch with telechelic poly(ε-caprolactone) phosphate
R. L. SHOGREN (USA)

99 Influence of locust bean gum on the rheological properties of kappa-carrageenan systems in the vicinity of the gel point
P. B. FERNANDES, M. P. GONÇALVES (Portugal) & J. L. DOUBLIER (France)

107 Characterization of cell wall components from the endosperm of sorghum varieties varying in hardness
R. KAVITHA & A. CHANDRASHEKAR (India)

117 Chitosan behaviours in a dispersion of undecylenic acid
S. DEMARGER-ANDRE & A. DOMARD (France)

Carbohydrate Polymers (**22**) (1993)—© 1994 Elsevier Science Limited.

127 Studies on aqueous polymer two-phase systems containing agarose
A. S. MEDIN & J.-C. JANSON (Sweden)

Research Note

137 *N*-[^{13}C=O]Acetylchitosan and its digestibility by silkworms
S. HIRANO, S. YOSHIDA & N. TAKABUCHI (Japan)

141 Bibliography of Carbohydrate Polymers

151 Book Reviews

Number 3

153 Hydration characteristics of the cross-linked hyaluronan derivative hylan
S. TAKIGAMI, M. TAKIGAMI (Japan) & G. O. PHILLIPS (UK)

161 Thermogelation of methylcellulose. Part I: molecular structures and processes
A. HAQUE & E. R. MORRIS (UK)

175 Thermogelation of methylcellulose. Part II: effect of hydroxypropyl substituents
A. HAQUE, R. K. RICHARDSON, E. R. MORRIS, M. J. GIDLEY & D. C. CASWELL (UK)

187 Characterization of two arabinogalactan-proteins from red wine
P. PELLERIN (France), E. WATERS (Australia) & J. M. BRILLOUET (France)

193 Solution properties of chitosans: conformation and chain stiffness of chitosans with different degrees of *N*-acetylation
M. W. ANTHONSEN, K. M. VÅRUM & O. SMIDSRØD (Norway)

203 Studies on apple protopectin VI: extraction of pectins from apple cell walls with rhamnogalacturonase
C. M. G. C. RENARD, J.-F. THIBAULT (France), A. G. J. VORAGEN, L. A. M. VAN DEN BROEK & W. PILNIK (The Netherlands)

211 Bibliography of Carbohydrate Polymers

219 Book Reviews

221 Announcement

Number 4

223 Xanthan-like 'weak gel' rheology from dispersions of ispaghula seed husk
A. HAQUE, R. K. RICHARDSON, E. R. MORRIS & I. C. M. DEA (UK)

233 Cellulose derivatives: An enzymatic approach to their modification
E. H. M. MELO (Brazil) & J. F. KENNEDY (UK)

239 Characterisation of the extractable pectins and hemicelluloses of the cell wall of glasswort, *Salicornia ramosissima*
C. M. G. C. RENARD, Y. CHAMPENOIS & J.-F. THIBAULT (France)

247 β-Carrageenan: Isolation and characterization
D. W. RENN, G. A. SANTOS, L. E. DUMONT, C. A. PARENT, N. F. STANLEY, D. J. STANCIOFF & K. B. GUISELEY (USA)

253 Characterization of polysaccharides from *Enteromorpha intestinalis* (L.) Link, Chlorophyta
B. DE REVIERS & A. LEPROUX (France)

261 Gelling properties of water-soluble polysaccharides from proliferating marine green seaweeds (*Ulva* spp.)
M. LAHAYE & M. A. V. AXELOS (France)

267 The fine structure of rice-starch amylopectin and its relation to the texture of cooked rice
K. RADHIKA REDDY, S. ZAKIUDDIN ALI & K. R. BHATTACHARYA (India)

277 Bibliography of Carbohydrate Polymers
285 Book Review
287 Conference Report
289 Announcement
291 Contents of Volume 22